

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A process for reducing the content of oxygen-containing and/or nitrogen-containing compounds in streams comprising:

passing a stream having an isobutene content of at least 10% by weight, ~~which comprises passing the stream~~ in the liquid state at a temperature T [in K] and a linear velocity v [in cm/min] over a fixed bed of an acid-free zeolite having a mean pore size of from 0.3 to 1.5 nm,

~~where~~wherein the fixed bed has a length l [in cm] in ~~the~~ a flow direction of ~~the~~ a stream and T, v, and l obey the relationship:

$$2^{(T-283\text{ K})/10\text{ K}} \bullet l/v \leq 500 \text{ min.}$$

Claim 2 (Currently Amended): A process as claimed in claim 1, wherein T is in ~~the~~ a range from -30 to 30°C.

Claim 3 (Currently Amended): A process as claimed in claim 1 ~~or 2~~, wherein v is in ~~the~~ a range from 0.5 to 35 cm/min.

Claim 4 (Currently Amended): A process as claimed in ~~any of the preceding claims~~ claim 1, wherein the stream further comprises hydrocarbons other than isobutene.

Claim 5 (Currently Amended): A process as claimed in ~~any of claims 1 to 3~~ claim 1, wherein the stream further comprises halogenated hydrocarbons.

Claim 6 (Currently Amended): A process as claimed in ~~any of the preceding claims~~ claim 1, wherein the zeolite ~~contains~~ comprises sodium ions and/or calcium ions to balance the charge.

Claim 7 (Currently Amended): A process as claimed in ~~any of the preceding claims~~ claim 1, wherein the zeolite is selected from ~~among the group consisting of~~ zeolite A, zeolite L, zeolite X, and zeolite Y.

Claim 8 (Currently Amended): A process as claimed in ~~any of the preceding claims~~ claim 1, wherein the stream is dried prior to the zeolite treatment.

Claim 9 (Currently Amended): A process as claimed in ~~any of the preceding claims~~ claim 1, wherein the stream is passed through a fixed bed which comprises a zeolite having a mean pore size ~~of~~ ranging from 0.3 to 0.4 nm upstream relative to the flow direction of the stream and a zeolite having a mean pore size ~~of~~ at least 0.5 nm downstream.

Claim 10 (Currently Amended): A process as claimed in ~~any of the preceding~~ claims-claim 1, wherein the steam is used for preparing isobutene polymers.